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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/700,499	11/05/2003	Shinji Tai	245062US	6280
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAMINER	
			EGWIM, KELECHI CHIDI	
ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
		1713		
		,	NOTIFICATION DATE	DELIVERY MODE
			08/27/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

3	Application No.	Applicant(s)		
	10/700,499	TAI ET AL.		
Office Action Summary	Examiner	Art Unit		
	Dr. Kelechi C. Egwim	1713		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period was reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status		•		
1) Responsive to communication(s) filed on 31 M	<u>ay 2007</u> .			
· <u> </u>	action is non-final.			
3) Since this application is in condition for allowar	·			
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.		
Disposition of Claims				
4) Claim(s) 14 and 16-22 is/are pending in the ap	plication.			
4a) Of the above claim(s) 18-22 is/are withdraw	n from consideration.			
5) Claim(s) is/are allowed.				
6) Claim(s) 14,16 and 17 is/are rejected.				
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction and/or	r election requirement.			
Application Papers				
9)☐ The specification is objected to by the Examine	r.			
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the f	Examiner.		
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) △ All b) □ Some * c) □ None of:				
1.☐ Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have been received in Application No. <u>09/680,966</u> .				
3. Copies of the certified copies of the priority documents have been received in this National Stage				
application from the International Bureau (PCT Rule 17.2(a)).				
* See the attached detailed Office action for a list of the certified copies not received.				
•				
Attachment(s)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	4) Interview Summary Paper No(s)/Mail Da			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)		

Art Unit: 1713

*DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 05/31/2007 has been entered.

Election/Restrictions

Claims 18-22 remain withdrawn from further consideration pursuant to 37 CFR
 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Claim Rejections - 35 USC § 102

- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 4. Claims 14, 16 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Negi et al. (JP'656), for reason cited in the previous action.

Art Unit: 1713

Claim Rejections - 35 USC § 103

5. Claims 14, 16 and 17 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, 35 U.S.C. 103(a) as being unpatentable over Negi et al. (JP'736 or JP'757).

6. Claims 14, 16 and 17 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, 35 U.S.C. 103(a) as being unpatentable over Hata et al., for reason cited in the previous action.

Response to Arguments

- 7. Applicant's arguments filed 05/31/2007 have been fully considered but they are not persuasive.
- 8. While applicant continues to contend that none of the cited prior art satisfies all the formulas (1) to (7), they fail to support this with specifics. For instance JP '656, teaches two different saponified vinyl acetate/ethylene copolymers (A, which corresponds with B2 in the present claims) and (B, which corresponds with B1 in the present claims).

FOR THE LOW ETHYLENE COPOLYMER

COPOLYMER	Wt % in	Ethylene content in	Degree of
	Blend	copolymer	saponification
B1	60 –90%	25-40%	>99%

Art Unit: 1713

Common Range	60 – 90%	25-40%	99-100%
between B1 and B			
В	30-94%	25-40%	>96

FOR THE HIGH ETHYLENE COPOLYMER

COPOLYMER	Wt % in	Ethylene content in	Degree of
	Blend	copolymer	saponification
B2	10 –40%	35-48%	92-99%
Common Range	10 – 40%	45-48%	96-99%
between B2 and A			
· A	6-70%	45-60%	>96

Further, with regard to claims 16 and 17, on pages 12 and 13 of the translation, JP '656 teach melt index ratios from 0.05 to 20 and a blend melt index from 0.1 to 20 g/10 min.

9. Regarding the particles size of the dispersed phase (A/B2), this is an inherent feature of the composition and percentage of the dispersed phase, given the overlapping ranges in the composition, it remains reasonable that the particle sizes of the prior art dispersed phase within the common range would be the same as that presently claimed by applicant. No outside treatment not taught in the cited prior art is disclosed as resulting in the claimed dispersed particle sizes.

Art Unit: 1713

10. Regarding Negi et al., JP '736 teach that the degrees of saponification of copolymer (A) is greater than that of copolymer (B), or stated another way, DS(A) - DS(B) is greater than zero, which encompassed the claimed range of 1-8.

11. Regarding Negi et al. '757, in the abstract, Negi et al. teach

4 ≤ ETB2 - ETB1, and

3 ≤ SDB1 - SDB2

Thus, the requirements for rejection are met

12. As previously stated, Hata et al. teaches a range of 6 to 19 for ET(B)-ET(A) and a range of 0 to 3.7 for SD(A)-SD(B) in Hata et al. Each of which, at least, overlap with applicant's claimed ranges of 8 to 23 and 1 to 8, respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Kelechi C. Egwim whose telephone number is (571) 272-1099. The examiner can normally be reached on M-T (7:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1713

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KCE

ELECHI C. EGWIM PH.D. PRIMARY EXAMINER